

For Research Use Only

CHMP1A Polyclonal antibody

Catalog Number: 15761-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number:
15761-1-AP

Size:
150ul, Concentration: 400 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG8389

GenBank Accession Number:
BC007527

GeneID (NCBI):
5119

Full Name:
chromatin modifying protein 1A

Calculated MW:
196 aa, 22 kDa

Observed MW:
33 kDa, 25 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:50-1:500
IF 1:50-1:500

Applications

Tested Applications:
IF, IHC, IP, WB, ELISA

Cited Applications:
IF, IHC, WB

Species Specificity:
human, mouse

Cited Species:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HEK-293 cells, A431 cells, HeLa cells, mouse kidney tissue, mouse lung tissue

IP: HEK-293 cells,

IHC: mouse brain tissue, human lung tissue, mouse testis tissue, human skin tissue

IF: HepG2 cells,

Background Information

Charged multivesicular body protein 1A (CHMP1A), also known as chromatin modifying protein 1A, is a member of the ESCRT-III (endosomal sorting complex required for transport III) complex which is involved in degradation of internalized transmembrane receptor proteins and formation of multivesicular bodies (MVBs) (PMID: 16730941). CHMP1A has both nuclear and cytoplasmic distributions (PMID: 11559748; 11559747). Subcellular localization of CHMP1A seems to vary depending on the cell type (PMID: 23023333). CHMP1A is required for MVBs formation and has a role in stable gene silencing within the nucleus. Besides, the tumor suppressor role of CHMP1A has also been reported (PMID: 18787405; 22261332).

Notable Publications

Author	Pubmed ID	Journal	Application
Na Sun	31894018	Biochem Biophys Res Commun	WB
Yuting Guan	34426578	Nat Commun	WB, IF
Vincent Mercier	32753669	Nat Cell Biol	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

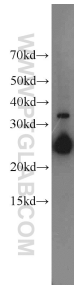
For technical support and original validation data for this product please contact:

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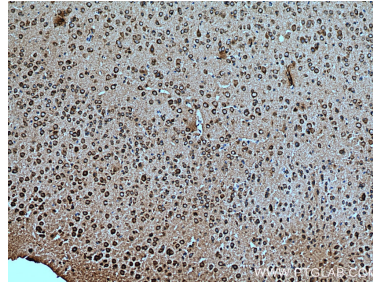
E: proteintech@ptglab.com
W: ptglab.com

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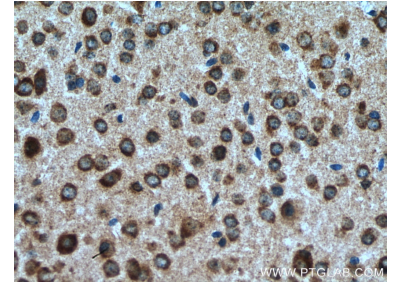
Selected Validation Data



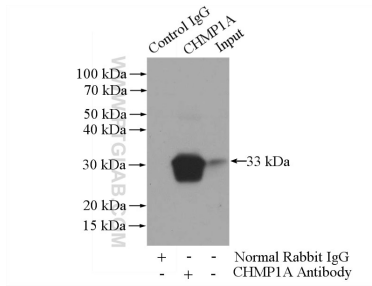
HEK-293 cells were subjected to SDS PAGE followed by western blot with 15761-1-AP (CHMP1A antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



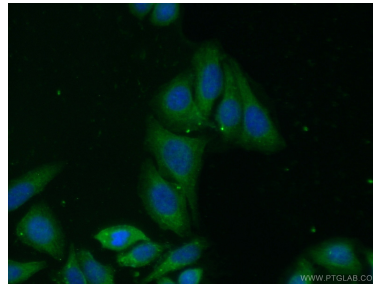
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15761-1-AP (CHMP1A antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15761-1-AP (CHMP1A antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-CHMP1A (IP:15761-1-AP, 3ug; Detection:15761-1-AP 1:500) with HEK-293 cells lysate 880ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 15761-1-AP (CHMP1A antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).